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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=4; day=22; hr=14; min=14; sec=51; ms=503;]

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Application No: 10585916 Version No: 2.0

Input Set:**Output Set:**

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Finished: 2008-04-08 18:40:46.250
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 880 ms
Total Warnings: 13
Total Errors: 0
No. of SeqIDs Defined: 13
Actual SeqID Count: 13

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SEQUENCE LISTING

<110> STYLES, Michelle Leanne
ZENG, Jun
TREUTLEIN, Herbert Rudolf
WILKS, Andrew Frederick
KLING, Marcel Robert
BU, Xianyong
BURNS, Christopher John

<120> SELECTIVE KINASE INHIBITORS

<130> 415852001100

<140> 10585916

<141> 2008-04-08

<150> PCT/AU2005/000022

<151> 2005-01-12

<150> AU 2004900103

<151> 2004-01-12

<160> 13

<170> PatentIn version 3.3

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Phe

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20 25 30
Met Cys Arg Tyr Asp Pro Leu Gln Asp Asn Thr Gly Glu Val Val Ala
35 40 45
Val Lys Lys Leu Gln His Ser Thr Glu Glu His Leu Arg Asp Phe Glu
50 55 60
Arg Glu Ile Glu Ile Leu Lys Ser Leu Gln His Asp Asn Ile Val Lys
65 70 75 80
Tyr Lys Gly Val Cys Tyr Ser Ala Gly Arg Arg Asn Leu Lys Leu Ile
85 90 95
Met Glu Tyr Leu Pro Tyr Gly Ser Leu Arg Asp Tyr Leu Gln Lys His
100 105 110
Lys Glu Arg Ile Asp His Ile Lys Leu Leu Gln Tyr Thr Ser Gln Ile
115 120 125
Cys Lys Gly Met Glu Tyr Leu Gly Thr Lys Arg Tyr Ile His Arg Asp
130 135 140
Leu Ala Thr Arg Asn Ile Leu Val Glu Asn Glu Asn Arg Val Lys Ile
145 150 155 160
Gly Asp Phe Gly Leu Thr Lys Val Leu Pro Gln Asp Lys Glu Tyr Tyr
165 170 175

Lys	Val	Lys	Glu	Pro	Gly	Glu	Ser	Pro	Ile	Phe	Trp	Tyr	Ala	Pro	Glu	
			180					185					190			
Ser	Leu	Thr	Glu	Ser	Lys	Phe	Ser	Val	Ala	Ser	Asp	Val	Trp	Ser	Phe	
			195					200					205			
Gly	Val	Val	Leu	Tyr	Glu	Leu	Phe	Thr	Tyr	Ile	Glu	Lys	Ser	Lys	Ser	
			210					215				220				
Pro	Pro	Ala	Glu	Phe	Met	Arg	Met	Ile	Gly	Asn	Asp	Lys	Gln	Gly	Gln	
225					230					235					240	
Met	Ile	Val	Phe	His	Leu	Ile	Glu	Leu	Leu	Lys	Asn	Asn	Gly	Arg	Leu	
				245						250				255		
Pro	Arg	Pro	Asp	Gly	Cys	Pro	Asp	Glu	Ile	Tyr	Met	Ile	Met	Thr	Glu	
			260					265					270			
Cys	Trp	Asn	Asn	Asn	Val	Asn	Gln	Arg	Pro	Ser	Phe	Arg	Asp	Leu	Ala	
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<212> PRT

<213> Artificial Sequence

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<223> JAK2 Kinase jlh

<400> 11

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Leu	Cys	Arg	Tyr	Asp	Pro	Glu	Asp	Asn	Thr	Gly	Glu	Gln	Val	Ala	Val	
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Lys	Ser	Leu	Lys	Pro	Glu	Ser	Gly	Gly	Asn	His	Ile	Ala	Asp	Leu	Lys	
		50				55					60					
Lys	Glu	Ile	Glu	Ile	Leu	Arg	Asn	Leu	Tyr	His	Glu	Asn	Ile	Val	Lys	
65					70					75				80		
Tyr	Lys	Gly	Ile	Cys	Thr	Glu	Asp	Gly	Gly	Asn	Gly	Ile	Lys	Leu	Ile	
			85						90					95		
Met	Glu	Phe	Leu	Pro	Ser	Gly	Ser	Leu	Lys	Glu	Tyr	Leu	Pro	Lys	Asn	
			100					105					110			
Lys	Asn	Lys	Ile	Asn	Leu	Lys	Gln	Gln	Leu	Lys	Tyr	Ala	Val	Gln	Ile	
		115					120					125				
Cys	Lys	Gly	Met	Asp	Tyr	Leu	Gly	Ser	Arg	Gln	Tyr	Val	His	Arg	Asp	
		130				135					140					
Leu	Ala	Ala	Arg	Asn	Val	Leu	Val	Glu	Ser	Glu	His	Gln	Val	Lys	Ile	
145					150					155					160	
Gly	Asp	Phe	Gly	Leu	Thr	Lys	Ala	Ile	Glu	Thr	Asp	Lys	Glu	Tyr	Tyr	
			165						170					175		
Thr	Val	Lys	Asp	Asp	Arg	Asp	Ser	Pro	Val	Phe	Trp	Tyr	Ala	Pro	Glu	
			180					185					190			
Cys	Leu	Met	Gln	Ser	Lys	Phe	Tyr	Ile	Ala	Ser	Asp	Val	Trp	Ser	Phe	
		195					200					205				
Gly	Val	Thr	Leu	His	Glu	Leu	Leu	Thr	Tyr	Cys	Asp	Ser	Asp	Ser	Ser	
		210				215					220					
Pro	Met	Ala	Leu	Phe	Leu	Lys	Met	Ile	Gly	Pro	Thr	His	Gly	Gln	Met	
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20 25 30
Leu Tyr Cys Tyr Asp Pro Thr Asn Asp Gly Thr Gly Glu Met Val Ala
35 40 45
Val Lys Ala Leu Lys Ala Asp Cys Gly Pro Gln His Arg Ser Gly Trp
50 55 60
Lys Gln Glu Ile Asp Ile Leu Arg Thr Leu Tyr His Glu His Ile Ile
65 70 75 80
Lys Tyr Lys Gly Cys Cys Glu Asp Gln Gly Glu Lys Ser Leu Gln Leu
85 90 95
Val Met Glu Tyr Val Pro Leu Gly Ser Leu Arg Asp Tyr Leu Pro Arg
100 105 110
His Ser Ile Gly Leu Ala Gln Leu Leu Leu Phe Ala Gln Gln Ile Cys
115 120 125
Glu Gly Met Ala Tyr Leu His Ala His Asp Tyr Ile His Arg Asp Leu
130 135 140
Ala Ala Arg Asn Val Leu Leu Asp Asn Asp Arg Leu Val Lys Ile Gly
145 150 155 160
Asp Phe Gly Leu Ala Lys Ala Val Pro Glu Gly His Glu Tyr Tyr Arg
165 170 175
Val Arg Glu Asp Gly Asp Ser Pro Val Phe Trp Tyr Ala Pro Glu Cys
180 185 190
Leu Lys Glu Tyr Lys Phe Tyr Tyr Ala Ser Asp Val Trp Ser Phe Gly
195 200 205
Val Thr Leu Tyr Glu Leu Leu Thr His Cys Asp Ser Ser Gln Ser Pro
210 215 220
Pro Thr Lys Phe Leu Glu Leu Ile Gly Ile Ala Gln Gly Gln Met Thr
225 230 235 240
Val Leu Arg Leu Thr Glu Leu Leu Glu Arg Gly Glu Arg Leu Pro Arg
245 250 255
Pro Asp Lys Cys Pro Cys Glu Val Tyr His Leu Met Lys Asn Cys Trp
260 265 270
Glu Thr Glu Ala Ser Phe Arg Pro Thr Phe Glu Asn Leu Ile Pro Ile
275 280 285
Leu Lys Thr Val His Glu Lys Tyr
290 295